



DEFENSE LOGISTICS AGENCY
 LAND AND MARITIME
 POST OFFICE BOX 3990
 COLUMBUS, OH 43218-3990

November 14, 2012

Mr. Paul Syndergaard
 ON Semiconductor, Inc.
 2300 Buckskin Road
 Pocatello, ID 83201

Dear Mr. Syndergaard:

Re: Notification of Qualification, MIL-PRF-19500P, FSC 5961, VQ(VQE-12-025351); CAGE 31471;
 Control #: 037682

Qualification of your product is granted under the current issue of the specification as a result of successful qualification testing of device JANTXV2N3637 allowed by paragraph E.4.1 of Performance Specification MIL-PRF-19500P, Semiconductor Devices, FSC 5961 and performance specification sheet /357 Rev L. Extension is also granted to the other devices below as allowed by paragraph E 4.2.2 (Qualification by extension). Therefore, your products will be listed as shown below in the Qualified Manufacturers List (QML) 19500. The effective date of this qualification is November 1, 2012. The beginning lot date code for this qualification is T1210A.

The qualification lot Thermal Impedance conditions and upper limits are as follows (subject to change after 5 lots):

V _{CB}	I _H	I _M	t _H	t _{MD}	Z _{OJX} (screening)	Z _{OJX} (QCI)
20 V	241 mA	2 mA	10 ms	50 μs	17.3 °C/W max	18.1 °C/W max

Government Designation	ESD Class	Manufacturer Designation	Test Report Reference	Prf. Spec	Manufacturer Name & Address
** 2N3634; L <u>6/</u>	1C	CONP	19500-3641-12	/357	Same as above
** 2N3635; L <u>6/</u>					Plant (2): ON Semiconductor (ISMF) Seremban, Malaysia (wafer fabrication) Millenium Microtech (MMT) Chachoengsao, Thailand (assembly)
** 2N3636; L <u>6/</u>					
** 2N3637; L <u>6/</u>					

6/ Testing is compliant to the latest revision of MIL-STD-750 Test Method 1020.3

** Includes JAN, JANTX, and JANTXV quality levels

This qualification approval is based upon test report number 19500-3641-12 for your die and package, your letter dated August 31, 2012, and subsequent emails and test data. This qualification is subject to the conditions as stated in SD-6 and DOD 4120.24M.

Because we are held responsible for the accuracy and currency of this Qualified Manufacturers List, please let us know if your company discontinues production of these products. Also, manufacturers are required to inform this office immediately after learning of a potential issuance of a GIDEP alert, problem advisory, or other problem notification on their QML product.

If you have any questions concerning this letter, please contact Mr. Carl DelloStritto (614) 692-0616.

Sincerely,

/SIGNED/

JOSEPH GEMPERLINE
 Chief
 Sourcing and Qualifications Division